All-in-One PC

User Manual

ET1620I Series

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

E8823b
First Edition
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About this manual

This manual provides information about the hardware and software features of your PC, organized through the following chapters:

Chapter 1: Hardware Setup

This chapter details the hardware components of your PC.

Chapter 2: Using your PC

This chapter provides you with information on using your PC.

Chapter 3: Working with Windows® 8.1

This chapter provides an overview of using Windows® 8.1 in your PC.

Chapter 4: Connecting to the Internet

This chapter provides information on connecting your PC to a wired or Wi-Fi network.

Chapter 5: Recovering your system

This chapter provides recovery options for your PC.

Appendices

This section includes notices and safety statements for your PC.

Conventions used in this manual

To highlight key information in this manual, some texts are presented as follows:

IMPORTANT!	This message contains vital information that must be followed to complete a task.
NOTE:	This message contains additional information and tips that can help complete tasks.
WARNING!	This message contains important information that must be followed to keep you safe while performing tasks and prevent damage to your device's data and components.

Typography

Bold = This indicates a menu or an item that must be selected.

Italic = This indicates sections that you can refer to in this manual.

Safety information

Your All-in-One PC ET1620I is designed and tested to meet the latest standards of safety for information technology equipment. However, to ensure your safety, it is important that you read the following safety instructions.

Setting up your system

- Read and follow all instructions in the documentation before you operate your system.
- Do not use this product near water or a heated source such as a radiator.
- Set up the system on a stable surface.
- Openings on the chassis are for ventilation. Do not block or cover these openings. Ensure that you leave plenty of space around the system for ventilation. Never insert objects of any kind into the ventilation openings.
- Use this product in environments with ambient temperatures between 0˚ C and 40˚ C.
- If you use an extension cord, ensure that the total ampere rating of the devices plugged into the extension cord does not exceed its ampere rating.

Care during use

- Do not walk on the power cord or allow anything to rest on it.
- Do not spill water or any other liquids on your system.
- When the system is turned off, a small amount of electrical current still remains in the product. Always unplug all power, modem, and network cables from the power outlets before cleaning the system.
- The touch screen requires periodic cleaning to perform at optimal touch sensitivity. Keep the screen clean from foreign objects or excessive dust accumulation. To clean the screen:
  - Turn off the system and disconnect the power cord from the wall.
  - Spray a small amount of household glass cleaner on the bundled cleaning cloth and gently wipe the surface of the screen.
  - Do not spray the cleaner directly on the screen.
  - Do not use an abrasive cleaner or a coarse cloth when cleaning the screen.

- If you encounter the following technical problems with the product, unplug the power cord and contact a qualified service technician or your retailer.
  - The power cord or plug is damaged.
  - Liquid has been spilled into the system.
  - The system does not function properly even if you follow the operating instructions.
  - The system was dropped or the cabinet is damaged.
  - The system performance changes.

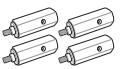
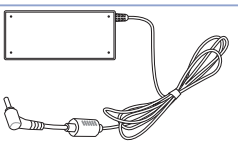
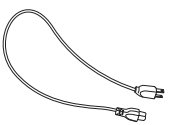
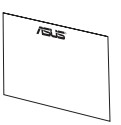
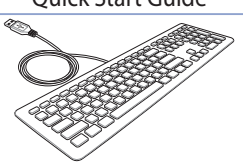
Sound Pressure Warning

Excessive sound pressure from earphones or headphones can cause hearing loss or permanent damage to hearing. Increasing the volume and equalizer beyond default levels increases the output voltage and sound pressure produced by the earphones or headphones.

DC Fan Warning

Please note that the DC fan is a moving part and can cause harm when used improperly. Keep away from the fan when using the product.

Package contents

	
ASUS All-in-One PC ET1620I	Wall mount screws
	
AC Power adapter	Power cord
	
Quick Start Guide	Warranty card
	
Keyboard (Optional)	Mouse (Optional)

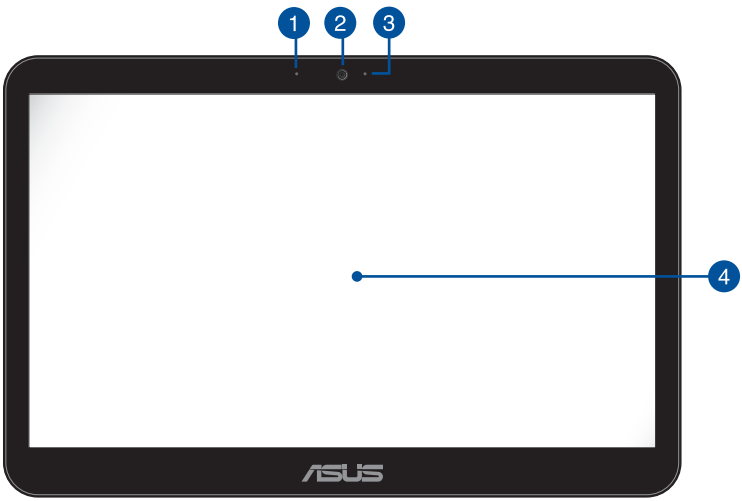
NOTES:

- If any of the items is damaged or missing, contact your retailer.
- The keyboard, mouse, and power supply illustrations are for reference only. Actual product specifications may vary with territories.

Chapter 1: Hardware Setup

Getting to know your All-in-One PC

Front view



1 Microphone

The built-in microphone can be used for video conferencing, voice narrations, or simple audio recording.

2 Webcam

The built-in webcam allows you to take pictures or record videos using your All-in-One PC.

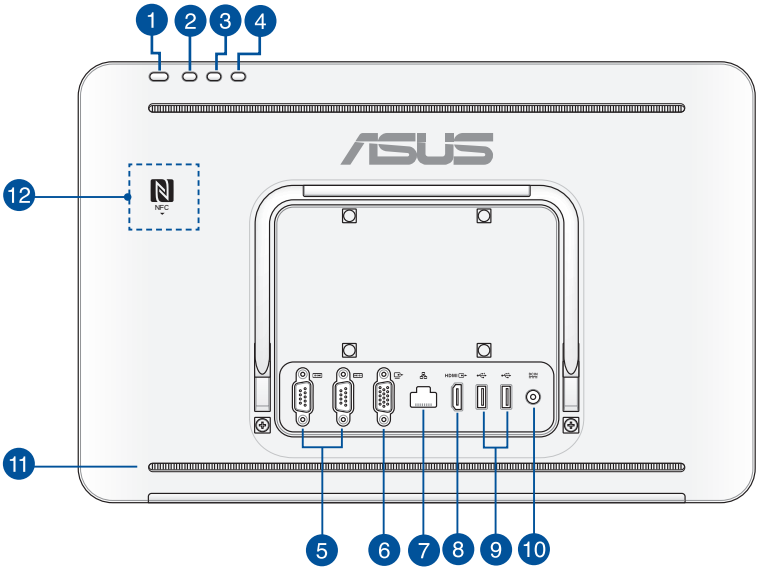
3 Webcam LED

Indicates that the built-in webcam is enabled.

4 LCD display (Touch-enabled)

The 15.6-inch multi-touch panel LCD display provides excellent viewing features for photos, videos, and other multimedia files. It also allows you to operate your All-in-One PC using touch gestures.

Rear view



1 **Power button**

Press this button to turn On/Off the PC.

2 **Volume increase button**

Press to increase the volume.

3 **Volume decrease button**

Press to decrease the volume.

4 **Turn off display**

Press this button to turn off the display.

5 **Serial port (COM port)**

These 9-pin D-sub serial port supports native serial devices such as serial drawing tablets, serial mouse, or serial modem.

6 **Display (Monitor) Output**

The 15-pin D-sub monitor port supports a standard VGA-compatible device such as a monitor or projector to allow viewing on a larger external display.

7 **LAN port**

The 8-pin RJ-45 LAN port supports a standard Ethernet cable for connection to a local network.

8 HDMI **HDMI port**

The HDMI (High Definition Multimedia Interface) port supports a Full-HD device such as an LCD TV or monitor to allow viewing on a larger external display.

9 **USB 2.0 ports**

This USB (Universal Serial Bus) port is compatible with USB 2.0 or USB 1.1 devices such as keyboards, pointing devices, flash disk drives, external HDDs, speakers, cameras, and printers.

10 DC IN **Power input**

The bundled power adapter converts AC power to DC power for use with this jack. Power supplied through this jack supplies power to the PC. To prevent damage to the PC, always use the bundled power adapter.

> **WARNING!** The power adapter may become warm or hot when in use. Do not cover the adapter and keep it away from your body.

11 **Audio Speakers**

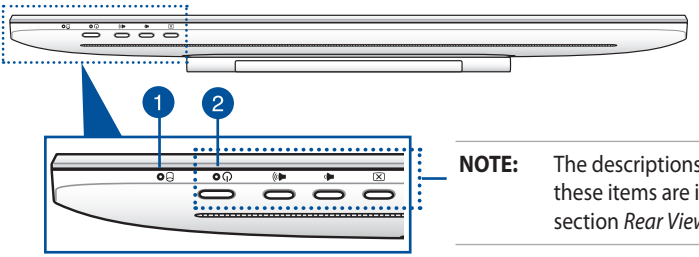
The built-in audio speakers deliver high-quality audio output.

12 **Built-in NFC tag (on selected models)**

The built-in NFC (Near Field Communication) tag allows you to conveniently share pictures and other files. To use the NFC tag, put the other NFC-enabled device near your AiO PC's NFC tag.

> **NOTE**: The NFC sticker on the rear panel of your All-in-One PC indicates the location of the NFC tag.

Top view



NOTE: The descriptions of these items are in the section *Rear View*.

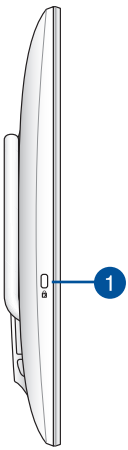
1 **Hard Disk Drive LED**

White light indicates that data is being read/written from/to the HDD.

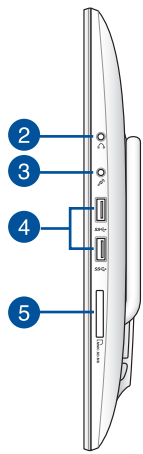
2 **Power LED**

Indicates that system power is On.

Left side view



Right side view



1 **Kensington® security slot**

The Kensington® security lock allows you to secure your PC using Kensington® compatible PC security products.

2 **Headphone / Audio Out jack**

This combo jack supports speakers and headphones.

3 **Microphone jack**

The microphone jack is designed to connect a microphone used for video conferencing, voice narrations, or simple audio recordings.

4 **USB 3.0 ports**

These Universal Serial Bus 3.0 (USB 3.0) ports connect to USB 3.0 devices such as a mouse, printer, scanner, camera, and others.

5 **6-in-1 Memory card reader**

This All-in-One PC has a built-in memory card reader slot that supports MMC, SD, SDHC, SDXC, MS, and MS PRO cards.

Chapter 2: Using your All-in-One PC

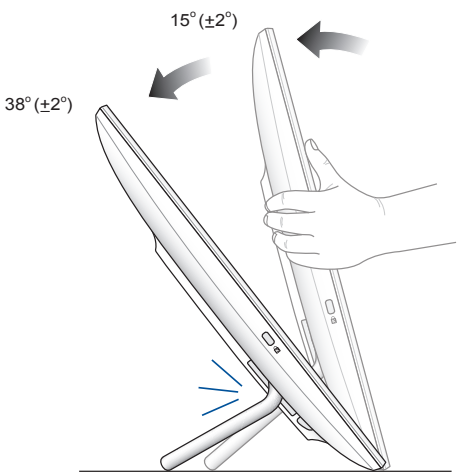
Positioning your ASUS All-in-One PC

Place your ASUS All-in-One PC on a flat surface such as a table or desk then pull the stand open until it locks into place.

Gently push the display panel until the hinge makes a "click" sound to adjust your All-in-One PC from a 15º angle to a 38º angle.

IMPORTANT!

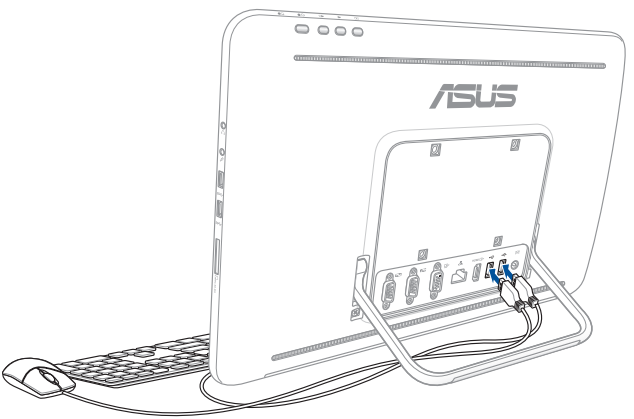
- Use both hands when setting up your All-in-One PC.
- Orient your All-in-One PC within the given range to avoid damaging it.



Setting up your ASUS All-in-One PC

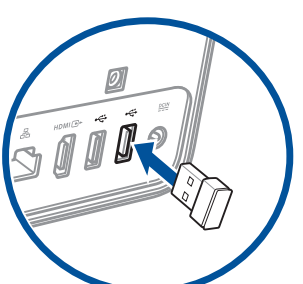
Connecting the wired keyboard and mouse

Connect the keyboard and the mouse to the USB ports on the rear panel.



Connecting a wireless keyboard and mouse

1. Install batteries into the wireless keyboard and mouse.
2. Connect the wireless dongle for keyboard and mouse to a USB port.
3. You can begin using the wireless keyboard and mouse.



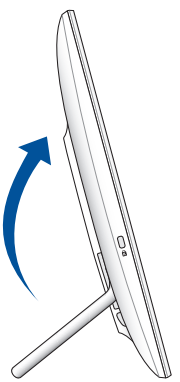
Mounting your All-in-One PC to a wall

The All-in-One PC comes with four wall mount screws that you can use with an optional wall mount kit to mount your PC onto a wall.

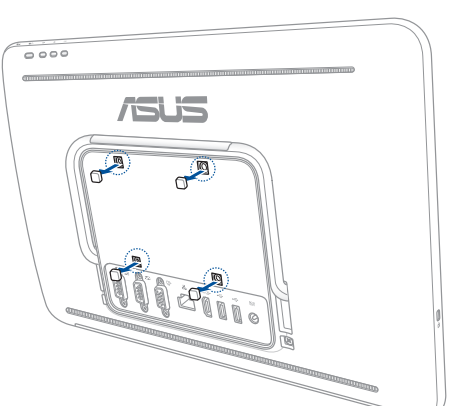
To install your All-in-One PC to the wall:

NOTE: The optional wall mount should comply with VESA 75 standards.

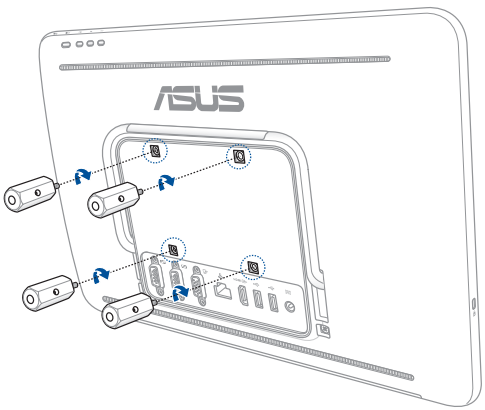
1. Pull the stand of your All-in-One PC until it locks into place.



2. Remove the four plastic caps from the rear panel holes.



3. Attach the four wall mount screws to the rear panel holes.



4. Install the wall mount kit. Follow the instructions described in the installation manual that came with your wall mount kit.

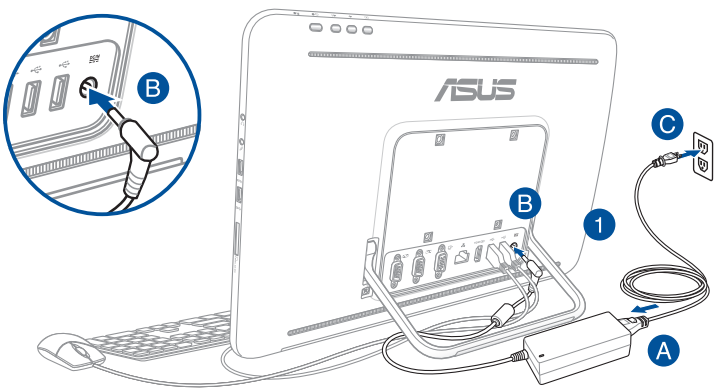
NOTE: Ensure that the wall mount kit is stable and fixed firmly on the wall.

5. Attach the wall mount screws and All-in-One PC assembly to the wall mount kit.

Powering on the system

WARNING! DO NOT connect the AC power cord to an AC outlet prior to connecting the DC plug to the system. Doing so may damage the AC-DC adapter.

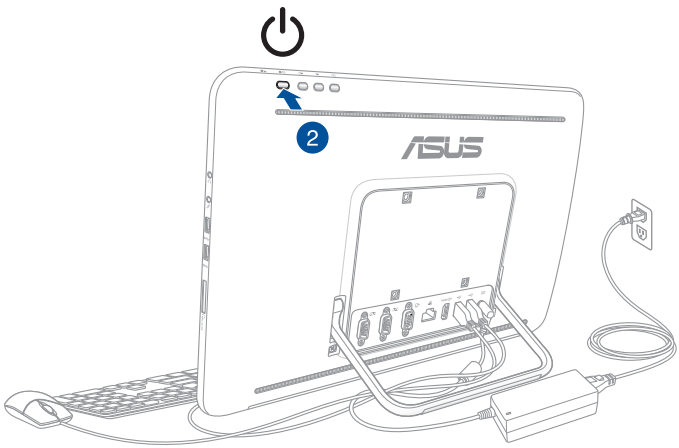
1. Connect the bundled power adapter to the DC IN jack on the rear panel.



NOTES:

- The input voltage of the adapter is 100 Vac – 240 Vac.
- It is recommended that the power socket is in close proximity to the All-in-One PC.
- The keyboard, mouse, and power supply illustrations are for reference only. Actual product specifications may vary with territories.

2. Press the Power button on the rear panel to power on the system.



NOTE: For details on turning off your All-in-One PC, refer to the section *Turning off your All-in-One PC* on *Chapter 3: Working with Windows® 8.1*.

Using the touch screen

The touch screen panel of your All-in-One PC provides excellent viewing features for photos, videos, and other multimedia files on your PC. It also supports the 10-point multi-touch feature that facilitates smoother and more accurate touch gestures allowing you to operate your All-in-One PC faster and easier.

IMPORTANT: Do not use sharp objects such as scissors or ballpoint pens on the touch screen to prevent dents and scratches which may cause the touchscreen to become unresponsive.

Gestures

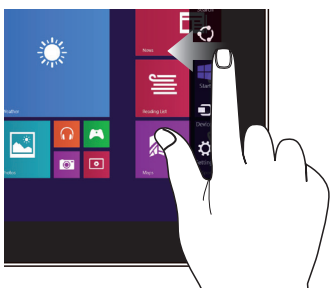
Gestures allows you to launch programs, access settings, and activate functions on your All-in-One PC.

Using gestures

Left edge swipe

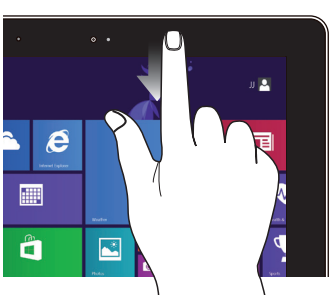
Swipe from the left edge of the screen to shuffle your running apps.

Right edge swipe



Swipe from the right edge of the screen to launch the Charm bar.

Top edge swipe

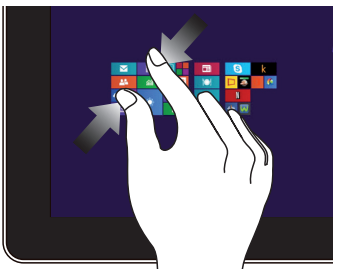


- In the Start screen, swipe from the top edge of the screen to view the All Apps bar.
- In a running app, swipe from the top edge of the screen to view its menu.

Finger slide

Slide your finger to scroll up and down and slide your finger to pan the screen left or right.

Zoom out



Bring together your two fingers on the touch panel.

Zoom in

Spread apart your two fingers on the touch panel.

Tap and hold

- To move an app, tap and hold the app tile and drag it to a new location.
- To close an app, tap and hold the top side of the running app and drag it down to the bottom of the screen to close it.

Tap/Double tap

- Tap an app to launch it.
- On Desktop mode, double-tap an item to launch it.

Configuring the audio output using an HDMI device

If you want to use an high-definition TV (HDTV) as an audio output device, connect the HDTV to the All-in-One PC with an HDMI cable and follow the steps below to configure the audio settings.

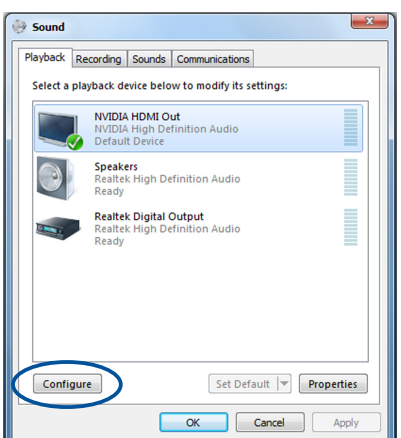
To configure the audio output settings:

1. From the Start screen, click **Desktop** to launch the Desktop Mode.

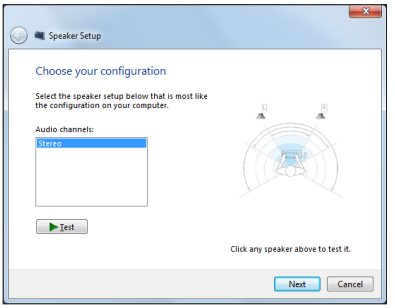
   NOTE: For more details, refer to the section **Start screen** under *Working with Windows® 8.1*.

2. Right-click the Volume Mixer icon on the Windows® taskbar and click **Playback devices**.

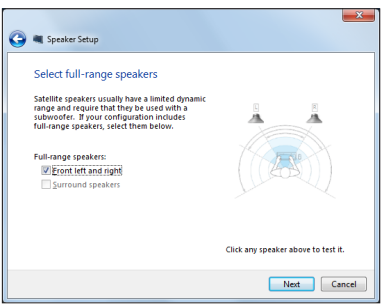
3. From the Playback screen, select **Digital Audio (HDMI)**.
4. Click **Configure** and the Speaker Setup window pops up.



5. Select **Stereo** and click **Next**.



6. Tick the **Front left and right** option, and click **Next**.
7. Click **Finish** to exit the speaker setup.


Speaker Setup
Select full-range speakers
Satellite speakers usually have a limited dynamic range and require that they be used with a subwoofer. If your configuration includes full-range speakers, select them below.
Full-range speakers:
Front left and right
Surround speakers
Click any speaker above to test it.
Next
Cancel

Chapter 3: Working with Windows® 8.1

NOTE: The operating system varies with country or region.

Starting for the first time

When you start your computer for the first time, a series of screens appear to guide you in configuring the basic settings of your Windows® 8.1 operating system.

To start for the first time:

1. Turn on your All-in-One PC. Wait for a few minutes until the setup screen appears.
2. From the setup screen, pick a language to use on your All-in-One PC.
3. Read the license terms then click **I Accept**.
4. Follow the onscreen instructions to configure the following basic items:
   - e-mail
   - Personalize
   - Get online
   - Settings
   - Your account

   NOTE:

   You need an internet connection to completely configure some items. If you do not have an internet connection, you can skip the configuration and proceed to the next item.
5. After configuring the basic items, Windows® 8.1 proceeds with the installation of your apps and preferred settings.

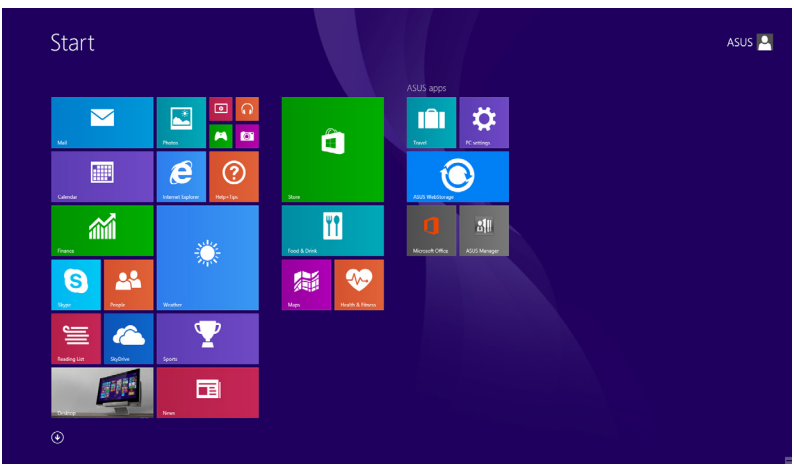
   IMPORTANT! Do not turn-off your All-in-One PC during the setup process.
6. Once the setup process is complete, the Start screen of Windows® 8.1 appears.

Windows® UI

The Windows® User interface (UI) is the tile-based display used in Windows® 8.1. It includes the following features you can use while working on your PC.

Start Screen

The Start Screen appears after successfully signing in to your user account. It helps organize all the programs and applications you need in just one place.



NOTE: Actual apps shown onscreen may vary per model. The screenshot is for reference only.

Windows® apps

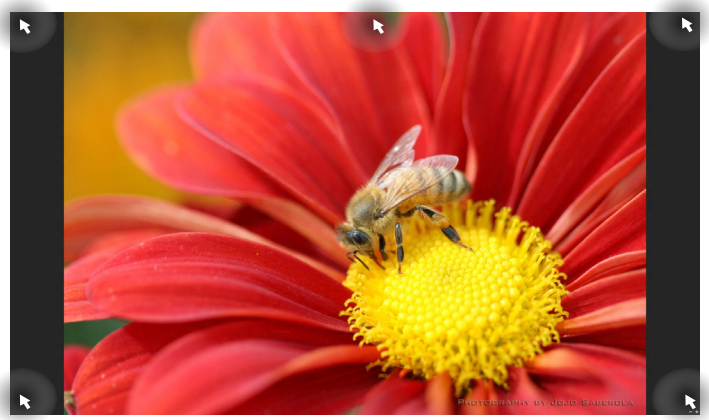
These are apps pinned on the Start screen and displayed on tiled-format for easy access.

NOTE: Some apps require signing in to your Microsoft account before they are fully launched.

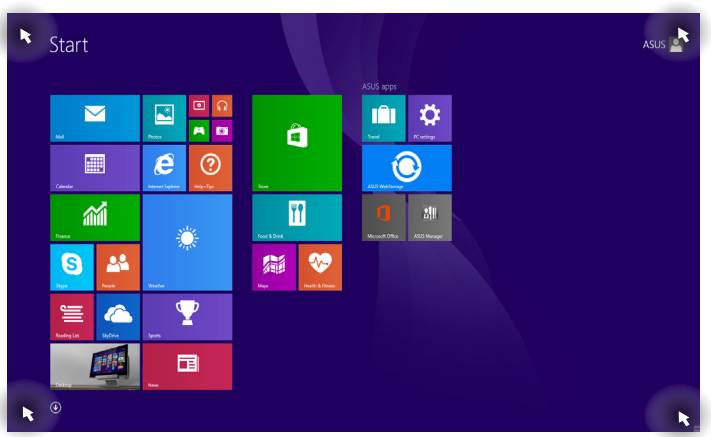
Hotspots

Onscreen hotspots allow you to launch programs and access the settings of your PC. The functions in these hotspots can be activated using your mouse.

Hotspots on a running app



Hotspots on the Start screen



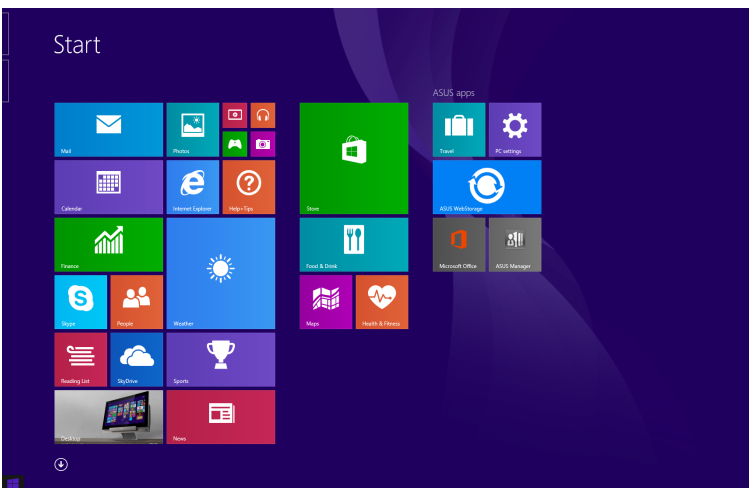
Hotspot	Action
upper left corner	Hover your mouse pointer then tap on the recent app's thumbnail to revert back to that running app.
	If you launched more than one app, slide down to show all running apps.
lower left corner	**From a running app screen:** Hover your mouse pointer then click to go back to the Start screen. **NOTE:** You can also press the Windows key on your keyboard to go back to the Start screen. **From the Start screen:** Hover your mouse pointer then click to go back to that app.
top	Hover your mouse pointer until it changes to a hand icon. Drag then drop the app to a new location. **NOTE:** This hotspot function only works on a running app or when you want to use the Snap feature. For more details, refer to *Snap feature* under *Working with Windows® apps*.
upper and lower right corner	Hover your mouse pointer to launch the Charm bar.

Start button

Windows® 8.1 features the Start button which allows you to switch between the two most recent apps you opened. The Start button may be accessed from the Start screen, while on Desktop mode, and on any app that is currently open onscreen.

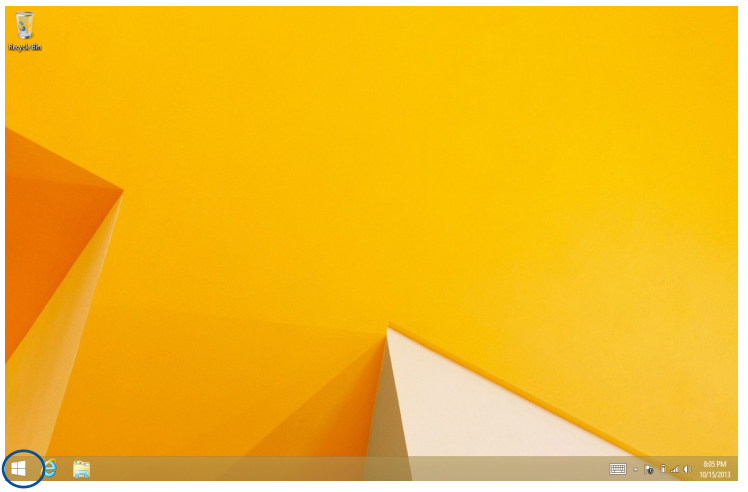
Start button on the Start screen

NOTE: The actual color of your Start button varies depending on the display settings you chose for your Start screen.



Hover your mouse pointer over the left corner of your Start screen or any opened app to call out the Start button.

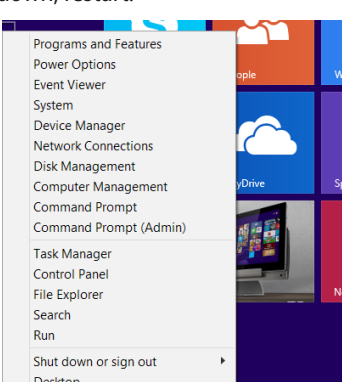
Start button on Desktop mode



Context menu

The context menu appears as a box filled with quick access to some of the programs inside Windows® 8.1 when you right-click on the Start button.

The context menu also includes the following shut down options for your PC: sign out, sleep, shut down, restart.

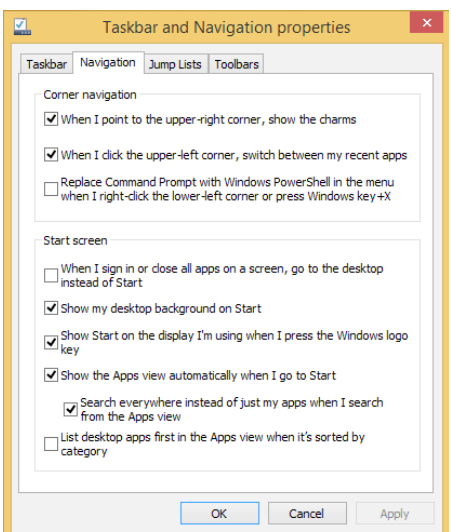


Customizing your Start screen

Windows® 8.1 enables you to customize your Start screen, allowing you to boot directly to the Desktop mode and customize the arrangement of your apps onscreen.

To customize the settings of your Start screen:

1. Launch the **Desktop**.
2. Right-click anywhere on the taskbar, except on the Start button, to launch the **Taskbar and Navigation properties** window.
3. Select the **Navigation** tab then tick the options you want to use.


Taskbar and Navigation properties
Taskbar
Navigation
Jump Lists
Toolbars
Corner navigation
When I point to the upper-right corner, show the charms
When I click the upper-left corner, switch between my recent apps
Replace Command Prompt with Windows PowerShell in the menu when I right-click the lower-left corner or press Windows key+X
Start screen
When I sign in or close all apps on a screen, go to the desktop instead of Start
Show my desktop background on Start
Show Start on the display I'm using when I press the Windows logo key
Show the Apps view automatically when I go to Start
Search everywhere instead of just my apps when I search from the Apps view
List desktop apps first in the Apps view when it's sorted by category
OK
Cancel
Apply

4. Click **Apply** to save the new settings then exit.

Working with Windows® apps

Use your PC's keyboard or mouse to launch and customize your apps.

Launching apps

- Using your mouse, position the mouse pointer on an app then left-click once to launch it.
- Using your keyboard, press

until an app is selected then use the arrow keys to browse through the apps. Press

to launch your selected app.

Customizing apps from the Start screen

You can move, resize, or unpin apps from the Start screen using the following steps.

Moving apps

To move an app, point and drag it to a new location.

Resizing apps

Right-click the app to activate its settings bar then tap

and select an app tile size.

Unpinning apps

To unpin an app from the Start screen, right-click on the app to activate its settings bar then tap

.

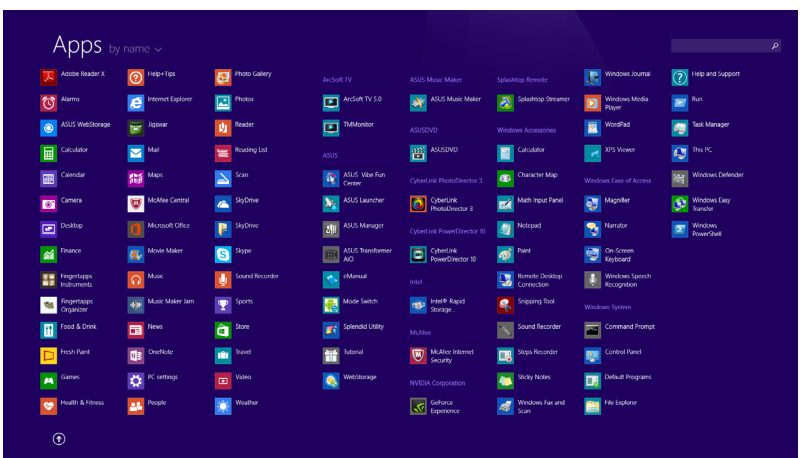
Closing apps

- Move the mouse pointer on the top side of the launched app then wait for the pointer to change to a hand icon. Drag then drop the app to the bottom of the screen to close it.
- From the running app's screen, press alt + f4.

Accessing the Apps screen

Aside from the apps already pinned on your Start screen, you can also open other applications through the Apps screen.

NOTE: Actual apps shown onscreen may vary per model. The following screenshot is for reference only.



Launching the Apps screen

Launch the Apps screen using a mouse or a keyboard.

Using your mouse, click the button.

Using your keyboard, from the Start screen, press , then press .

Pinning more apps on the Start screen

1. Launch the All Apps screen.
2. Right-click on the apps that you want to pin on the Start screen.
3. Click on the

icon to pin the selected apps on the Start screen.

Charm bar

The Charm bar is a toolbar that can be triggered on the right side of your screen. It consists of several tools that allow you to share applications and provide quick access for customizing the settings of your PC.

Launching the Charm bar

NOTE: When called out, the Charm bar initially appears as a set of white icons. The image above shows how the Charm bar looks like once activated.

Use your PC's mouse or keyboard to launch the Charm bar:

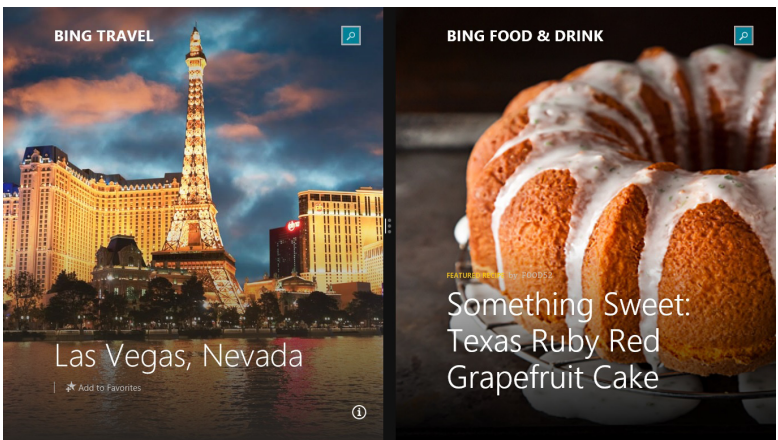
- Move your mouse pointer on the upper or lower right corner of the screen.
- Press + C.

Inside the Charm bar

	Search This tool allows you to look for files, applications, or programs in your PC.
	Share This tool allows you to share applications via social networking sites or email.
	Start This tool reverts the display back to the Start screen. From the Start screen, you can also use this to revert back to a recently opened app.
	Devices This tool allows you to access and share files with the devices attached to your PC such as an external display or printer.
	Settings This tool allows you to access the PC settings of your PC.

Snap feature

The Snap feature displays two apps side-by-side, allowing you to work or switch between apps.



Snap bar

Using Snap

Perform the following steps to activate Snap using your PC's mouse or keyboard.

Using your mouse

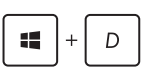
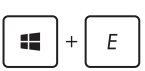
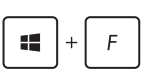
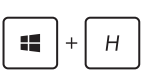
1. Launch the app you wish to snap.
2. Hover the mouse point on the top side of your screen.
3. Once the pointer changes to a hand icon, drag then drop the app to the left or right side of the display panel.
4. Launch another app. This app is automatically placed on the available pane.

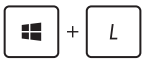
Using your keyboard

1. Launch the app you wish to snap.
2. Press and the left or right arrow key to snap the app to the left or right pane.
3. Launch another app. This app is automatically placed on the available pane.

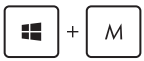
Other keyboard shortcuts

Using the keyboard, you can also use the following shortcuts to help you launch applications and navigate Windows®8.1.

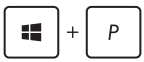
	Switches between the Start screen and the last running app
	Launches the desktop
	Launches the **This PC** window on Desktop mode
	Opens the **File** option from the **Search** charm
	Opens the **Share** charm
	Opens the **Settings** charm



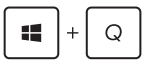
Activates the Lock screen



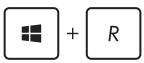
Minimizes all currently active windows



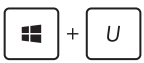
Launches the **Project** pane



Opens the **Everywhere** option from the **Search** charm



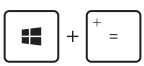
Opens the **Run** window



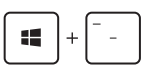
Opens **Ease of Access Center**

Opens the **Settings** option from the **Search** charm

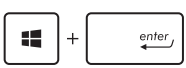
Opens a context menu of the Start button



Launches the magnifier icon and zooms in your screen



Zooms out your screen



Opens the **Narrator** Settings

Turning off your PC

You can shut down your PC by doing either of the following procedures:

- Hover on the lower left corner of your screen to launch the Start Button, then right-click on it. In the context menu, select **Shutdown or signout > Shut down.**
- Click

from the Charm bar then click

> **Shut down** to do a normal shutdown.
- From the log-in screen, click

> **Shut down**.
- If your PC is unresponsive, press and hold the power button for at least four (4) seconds until your PC turns off.
- To shut down your PC using Desktop mode, launch the desktop then press *alt* + *f4* to launch the **Shut Down** window. Select **Shut Down** from the drop-down list then select **OK**.

Putting your PC to sleep

You activate sleep mode on your PC using the following procedures.

- Press the Power button once.
- To put your PC to sleep mode using Desktop mode, launch the desktop then press alt + f4 to launch the Shut Down window. Select **Sleep** from the drop-down list then select **OK.**

Chapter 4: Connecting to the Internet

Connecting on Windows® 8.1

Access emails, surf the Internet, and share applications via social networking sites on or from your PC using wireless/Wi-Fi or wired connection.

Wireless connection

1. Launch the Charm bar.

   NOTE: For details, refer to the section *Charm bar* under *Working with Windows® apps*.

2. From the Charm bar, click

and click the

.
3. Select a wireless network from the list of available Wi-Fi connections.
4. Click **Connect** to start the network connection.

   NOTE: You may be prompted to enter a security key to connect to a secured wireless network.

5. (**Optional**) To enable sharing between your PC and other wireless-enabled systems, click **Yes**. Click **No** if you do not want to enable the sharing function.

Wired connection

You can connect your PC to a local area network (LAN) or broadband Internet connection using a network cable.

To connect your PC to a LAN connection using a network cable:

1. Connect one end of the network cable (RJ-45) to your PC's LAN port on the rear panel and the other end to the DSL/cable modem or a local area network (LAN) port.
2. Launch the **Desktop**.
3. From the Windows® taskbar, right-click the network icon then click **Open Network and Sharing Center**.
4. In the **Network and Sharing Center** window, click **Change adapter settings**.
5. Right-click on the LAN controller then select **Properties**.
6. Click **Internet Protocol Version 4(TCP/IPv4)** then click **Properties**.
7. Configure the type of IP address for network configuration.

   To configure using a dynamic IP address:

   a. Click **Obtain an IP address automatically** then click **OK**.
   b. Proceed to step 8.

   To configure using a static IP address:

   a. Click **Use the following IP address**.
   b. Key-in the IP address, Subnet mask, and Default gateway from your service provider.
   c. If needed, you can also type the preferred DNS server address and alternate DNS server address then click **OK**.
   d. Proceed to step 8.
8. Return to the Network and Sharing Center window then click **Set up a new connection or network**.
9. Select **Connect to the Internet** then click **Next**.
10. Click **Broadband (PPPoE)**.

11. Key-in your User name, Password, and Connection name then click **Connect**.
12. Click **Close** to finish the configuration.
13. Click on the taskbar then click the connection you just created.
14. Key-in your user name and password then click **Connect** to start connecting to the Internet.

Chapter 5: Recovering your system

Entering the BIOS Setup

BIOS (Basic Input and Output System) stores system hardware settings that are needed for system startup in the PC.

In normal circumstances, the default BIOS settings apply to most conditions to ensure optimal performance. Do not change the default BIOS settings except in the following circumstances:

- An error message appears on the screen during the system bootup and requests you to run the BIOS Setup.
- You have installed a new system component that requires further BIOS settings or update.

WARNING! Inappropriate BIOS settings may result to instability or boot failure. We strongly recommend that you change the BIOS settings only with the help of a trained service personnel.

Quickly enter the BIOS

To access the BIOS:

- When your ASUS All-in-One PC is off, press the power button for at least four (4) seconds to access the BIOS directly.
- Press the power button to turn on your ASUS All-in-One PC then press <F2> or <Del> during POST.

NOTE: POST (Power-On Self Test) is a series of software controlled diagnostic tests that run when you turn on your PC.

Recovery options on Windows® 8.1

Removing everything and reinstalling Windows

The **Remove everything and reinstall Windows** option in PC Settings restores your PC to its original factory settings. To do this:

IMPORTANT! Back up all your data before using this option.

NOTE: This process may take a while to complete.

1. Launch the **Charm bar**.
2. Click **Settings > Change PC Settings > Update and Recovery > Recovery**.
3. From the **Remove everything and reinstall Windows** option, click **Get Started**.
4. Follow the onscreen instructions to complete the reinstallation and reset process.

Appendices
Notices

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

This device is restricted to indoor use when operated in the 5.15 to 5.25 GHz frequency range.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device

RF exposure warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

This device is restricted to indoor use when operated in the 5.15 to 5.25 GHz frequency range.

This device is slave equipment, the device is not radar detection and not ad-hoc operation in the DFS band.

Canada, Industry Canada (IC) Notices

This Class B digital apparatus complies with Canadian ICES-003 and RSS-210.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Canada, avis d'Industry Canada (IC)

Cet appareil numérique de classe B est conforme aux normes canadiennes ICES-003 et RSS-210.

Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférence et (2) cet appareil doit accepter toute interférence, notamment les interférences qui peuvent affecter son fonctionnement.

Radio Frequency (RF) Exposure Information

The radiated output power of the Wireless Device is below the Industry Canada (IC) radio frequency exposure limits. The Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.

This device has also been evaluated and shown compliant with the IC RF Exposure limits under mobile exposure conditions. (Antennas are greater than 20 cm from a person's body).

Informations concernant l'exposition aux fréquences radio (RF)

La puissance de sortie émise par l'appareil de sans fil est inférieure à la limite d'exposition aux fréquences radio d'Industry Canada (IC). Utilisez l'appareil de sans fil de façon à minimiser les contacts humains lors du fonctionnement normal.

Ce périphérique a également été évalué et démontré conforme aux limites d' exposition aux RF d'IC dans des conditions d'exposition à des appareils mobiles (les antennes se situent à moins de 20 cm du corps d'une personne).

The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems;high power radars are allocated as primary users (meaning they have priority) of 5250-5350 MHz and 5650-5850 MHz and these radars could cause interference and/or damage to LE-LAN devices.

The Country Code Selection feature is disabled for products marketed in the US/Canada.

Declaration of Conformity (R&TTE directive 1999/5/EC)

The following items were completed and are considered relevant and sufficient:

- Essential requirements as in [Article 3]
- Protection requirements for health and safety as in [Article 3.1a]
- Testing for electric safety according to [EN 60950]
- Protection requirements for electromagnetic compatibility in [Article 3.1b]
- Testing for electromagnetic compatibility in [EN 301 489-1] & [EN 301 489-17] & [EN 301 489-3]
- Effective use of the radio spectrum as in [Article 3.2]
- Radio test suites according to [EN 300 328] & [EN 302 291] & [EN 301 893]

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

CE

CE marking for devices without wireless LAN/Bluetooth

The shipped version of this device complies with the requirements of the EEC directives 2004/108/EC "Electromagnetic compatibility" and 2006/95/EC "Low voltage directive".

CE/CE

CE marking for devices with wireless LAN/ Bluetooth

This equipment complies with the requirements of Directive 1999/5/EC of the European Parliament and Commission from 9 March, 1999 governing Radio and Telecommunications Equipment and mutual recognition of conformity.

is for class II device.

Wireless Operation Channel for Different Domains

N. America	2.412-2.462 GHz	Ch01 through CH11
Japan	2.412-2.484 GHz	Ch01 through Ch14
Europe ETSI	2.412-2.472 GHz	Ch01 through Ch13

NO DISASSEMBLY

The warranty does not apply to the products that have been disassembled by users

Lithium-Ion Battery Warning

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

No Exposure to Liquids

DO NOT expose to or use near liquids, rain, or moisture. This product is not waterproof or oil-proof.

This symbol of the crossed out wheeled bin indicates that the product (electrical, electronic equipment, and mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.

DO NOT throw the battery in municipal waste. The symbol of the crossed out wheeled bin indicates that the battery should not be placed in municipal waste.

REACH

Complying with the REACH (Registration, Evaluation, Authorization, and Restriction of Chemicals) regulatory framework, we publish the chemical substances in our products at ASUS REACH website at http://csr.asus.com/english/REACH.htm.

Global Environmental Regulation Compliance and Declaration

ASUS follows the green design concept to design and manufacture our products, and makes sure that each stage of the product life cycle of ASUS product is in line with global environmental regulations. In addition, ASUS disclose the relevant information based on regulation requirements.

Please refer to http://csr.asus.com/english/Compliance.htm for information disclosure based on regulation requirements ASUS is complied with:

Japan JIS-C-0950 Material Declarations

EU REACH SVHC

Korea RoHS

ASUS Recycling/Takeback Services

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for you to be able to responsibly recycle our products, batteries, other components as well as the packaging materials. Please go to http://csr.asus.com/english/Takeback.htm for detailed recycling information in different regions.

Coating Notice

IMPORTANT! To provide electrical insulation and maintain electrical safety, a coating is applied to insulate the device except on the areas where the I/O ports are located.

ENERGY STAR complied product

ENERGY STAR is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficient products and practices.

All ASUS products with the ENERGY STAR logo comply with the ENERGY STAR standard, and the power management feature is enabled by default. The monitor and computer are automatically set to sleep after 10 and 30 minutes of user inactivity. To wake your computer, click the mouse or press any key on the keyboard. Please visit http://www.energy.gov/powermanagement for detail information on power management and its benefits to the environment. In addition, please visit http://www.energystar.gov for detail information on the ENERGY STAR joint program.

NOTE: Energy Star is NOT supported on FreeDOS and Linux-based operating systems.